

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-18 (canceled)

Claim 19 (previously presented): A medical electrode for preventing the passage of harmful current to a patient, the electrode comprising:

- a distal end for connecting to a medical device;
- a proximal end including a portion formed in the shaped shape of a contact lens for connecting to a patient;
- a conductive lead connected between the distal and proximal ends; and
- a current stoppage means connected to the electrode at a location for preventing the passage of harmful current to the proximal end coupled to the proximal end of the electrode aft of the conductive lead.

Claim 20 (canceled)

Claim 21 (previously presented): A medical electrode for preventing the passage of harmful current to a patient, the electrode comprising:

a distal end for connecting to a medical device;

a separable structure having first and second separable members, the separable structure being located at a proximal end of said electrode, the separable structure for connecting to a patient, the first member being positioned atop the second member, the second member having a surface for directly contacting a patient;

a conductive lead connected between the distal and proximal ends; and
a current stoppage means being connected to the second member so that when the first and second member are separated, the current stoppage means remains with the second member.

Claim 22 (previously presented): The medical electrode of claim 21, further comprising a snap for separably connecting the first and second members together, a first portion of the snap connected to the first member and a second portion of the snap connected to the second member, the second portion of the snap including the current stoppage means.

Claim 23 (previously presented): The medical electrode of claim 22, wherein the first portion of the snap is a female portion and the second portion of the snap is

a male portion, the male and female portions being separably connectible, the male portion including a fuse.

Claims 24-29 (canceled)

Claim 30 (currently amended): A medical pad electrode for preventing the passage of harmful current to a patient, the electrode comprising:

a distal end for connecting to a medical device;

a proximal end for connecting to a patient;

a conductive lead connected between the distal and proximal ends; and

a ~~current stoppage means~~ fuse connected ~~at the proximal end of the conductive lead and~~ immediately adjacent to the proximal end of the pad electrode and having a current rating not less than approximately 1.57 milliAmps.

Claim 31 (canceled)

Claim 32 (Currently amended): ~~The~~ A medical electrode ~~of claim 30 for~~ preventing the passage of harmful current to a patient, the electrode comprising:

a distal end for connecting to a medical device;

a proximal end for connecting to a patient;

a conductive lead connected between the distal and proximal ends; and
a current stoppage means connected aft of the conductive lead and
immediately adjacent to the proximal end of the electrode, wherein the current
stoppage means is a circuit breaker.

Claims 33-34 (canceled)

Claim 35 (currently amended): The medical electrode of claim 34 30, wherein
the fuse is an indicator fuse.

Claims 36-45 (canceled)

Claim 46 (currently amended): A medical needle electrode for preventing the
passage of harmful current to a patient, the needle electrode comprising:

a distal end for connecting to a medical device;
a proximal end for connecting to a patient;
a conductive lead connected between the distal and proximal ends; and
a fuse coupled immediately adjacent to the proximal end of the needle
electrode ~~aft of the conductive lead~~ and having a current rating not less than
approximately 0.5 milliAmps.

Claim 47 (previously presented): The medical electrode of claim 46, wherein the fuse is an indicator fuse.

Claim 48 (previously presented): The medical electrode of claim 47, wherein the indicator fuse is rated at approximately 1/16 amperes.

Claim 49 (canceled)

Claim 50 (currently amended): A medical plate electrode for preventing the passage of harmful current to a patient, the electrode comprising:

- a distal end for connecting to a medical device;
- a proximal end including a portion formed in the shape of a plate for connecting to a patient;
- a conductive lead connected between the distal and proximal ends; and
- a ~~current stoppage means~~ fuse coupled immediately adjacent to the proximal end of the plate electrode ~~aft of the conductive lead~~ and having a current rating not less than 1.57 milliAmps.

Claim 51 (currently amended): A medical needle electrode for preventing the passage of harmful current to a patient, the electrode comprising:

- a distal end for connecting to a medical device;
- a proximal end including a portion formed in the shape of a needle for connecting to a patient;
- a conductive lead connected between the distal and proximal ends; and
- a ~~current stoppage means~~ fuse coupled immediately adjacent to the proximal end of the needle electrode ~~at the conductive lead~~ and having a current rating not less than 0.5 milliAmps.

Claim 52 (currently amended): A medical electrode for preventing the passage of harmful current to a patient, the electrode comprising:

- a distal end for connecting to a medical device;
- a proximal end including a portion formed in the shape of a strap for connecting to a patient;
- a conductive lead connected between the distal and proximal ends; and
- a ~~current stoppage means~~ fuse coupled immediately adjacent to the proximal end of the electrode ~~at the conductive lead~~ and having a current rating not less than 2.0 milliAmps.

Claim 53 (currently amended): A medical snap electrode for preventing the passage of harmful current to a patient, the electrode comprising:

- a distal end for connecting to a medical device;
- a proximal end including a pair of separable members, one of said members for connecting to a patient;
- a conductive lead connected between the distal and proximal ends; and
- a ~~current stoppage means~~ fuse coupled immediately adjacent to the proximal end of the snap electrode ~~aft of the conductive lead~~ and having a current rating not less than 1.57 milliAmps.

Claim 54 (currently amended): A medical electrode for preventing the passage of harmful current to a patient, the electrode comprising:

- a distal end for connecting to a medical device;
- a proximal end including a portion formed in the shape of an earplug for connecting to a patient;
- a conductive lead connected between the distal and proximal ends; and
- a ~~current stoppage means~~ fuse coupled to the proximal end of the electrode ~~aft of the conductive lead~~ and having a current rating not less than 2.0 milliAmps.

Claim 55 (currently amended): A medical electrode for preventing the passage of harmful current to a patient, the electrode comprising:

- a distal end for connecting to a medical device;
- a proximal end including a portion formed in the shape of a corkscrew for connecting to a patient;
- a conductive lead connected between the distal and proximal ends; and
- a ~~current stoppage means~~ fuse coupled to the proximal end of the electrode ~~aft of the conductive lead~~ and having a current rating not less than 0.5 milliAmps.

Claim 56 (currently amended): A medical electrode for preventing the passage of harmful current to a patient, the electrode comprising:

- a distal end for connecting to a medical device;
- a proximal end including a portion formed in the shape of a clip for connecting to a patient;
- a conductive lead connected between the distal and proximal ends; and
- a ~~current stoppage means~~ fuse coupled to the proximal end of the electrode ~~aft of the conductive lead~~ and having a current rating not less than approximately 2.0 milliAmps.

Claim 57 (currently amended): A medical side-snap electrode for preventing the passage of harmful current to a patient, the electrode comprising:

- a distal end for connecting to a medical device;
- a proximal end for connecting to a patient;
- a conductive lead connected between the distal and proximal ends; and
- a current stoppage means selected from the group consisting of a fuse or a circuit breaker, the current stoppage means coupled to the proximal end of the side-snap electrode aft of the conductive lead.

Claim 58 (currently amended): A medical electrode as recited in any of claims 49 ~~or 50-56~~ 50-57 inclusive, wherein the ~~current stoppage means fuse is selected from the group consisting of a fuse, a diode or a circuit breaker~~ comprises an indicator fuse.

Claim 59 (previously presented): A bottom member of an electrode having separable members, the bottom member comprising a bottom surface for contacting a patient's skin and a current stoppage means for preventing the passage of harmful current to the bottom surface.

Claim 60 (previously presented): The bottom member as recited in claim 59, wherein the current stoppage means is selected from the group consisting of a fuse, a diode or a circuit breaker.

Claim 61 (previously presented): The bottom member as recited in claim 59, further comprising a male portion located on a top surface of the bottom member, the male portion containing said current stoppage means.

Claim 62 (previously presented): The bottom member as recited in claim 61, wherein the current stoppage means is selected from the group consisting of a fuse, a diode or a circuit breaker.

Claim 63 (previously presented): A bottom member of an electrode having separable members, the bottom member comprising a pad for contacting a patient's skin, the pad located adjacent a connector portion, and a current stoppage means located between the pad and the connector portion.

Claim 64 (previously presented): The bottom member as recited in claim 63, wherein the current stoppage means is selected from the group consisting of a fuse, a diode or a circuit breaker.

Claim 65 (previously presented): The bottom member as recited in claim 63,
wherein the current stoppage means is an indicator fuse.

Claim 66 (previously presented): The bottom member as recited in claim 63,
wherein the connector portion further comprises a male connector.